

1410 North Hilton • Boise, Idaho 83706-1255 • (208) 373-0502

Dirk Kempthome, Governor Stephen Allred, Director

September 18, 2002

Certified Mail NO. 7000 0520 0016 0850 8989

David P. Edel Materials Manager Bannock Paving Co. P. O. Box 4002 Pocatello, ID 83205-4002

RE:

AIRS Facility No. 777-00140 Hot-mix Asphalt Plant, Pocatello

Final Tier II Operating Permit and Permit to Construct

Dear Mr. Edel:

The Department of Environmental Quality (Department) is issuing Tier II Operating Permit and Permit to Construct No. 777-00140 for Bannock Paving Co. in accordance with *Rules for the Control of Air Pollution in Idaho*, IDAPA 58.01.01.400 through 470 and 58.01.01.200-228, respectively.

The enclosed permit is based on the information contained in your permit application and the relevant comments received during the public comment period. This permit is effective immediately. Modification to and/or renewal of this permit shall be requested in a timely manner in accordance with the *Rules*.

Tiffany Floyd of the Pocatello Regional Office will contact you regarding a meeting with the Department to discuss the permit terms and requirements. The Department recommends attendance of your facility's plant manager, responsible official, environmental contact, and any operations staff responsible for day-to-day compliance with permit conditions.

You, as well as any other entity, may have the right to appeal this final agency action pursuant to IDAPA 58.01.23, *Rules of Administrative Procedure Before the Board of Environmental Quality*. A petition may be filed with the Hearings Coordinator, Department of Environmental Quality, 1410 N. Hilton, Boise, ID 83706-1255, within 35 days of the date of this decision. However, prior to filing a petition for a contested case, the Department encourages you to contact Mike Simon at (208) 373-0502 to discuss any concerns you may have with the enclosed permit.

Sincerely

Katherine B. Kelly Administrator

Air Quality Division

KK/KB/sm Project No. T2-010317

G:VAIR QUALITY/STATIONARY SOURCE/SS LTD/T2/BANNOCK PAVING/FINAL/BANNOCK FINAL TIER II LETTER.DOC

Enclosure

CC:

Joan Lechtenberg, Air Quality Division

Kent Berry, EQM

Laurie Kral, EPA Region 10 Tiffany Floyd, Pocatello Regional Office



Air Quality TIER II OPERATING PERMIT and PERMIT TO CONSTRUCT

PERMIT NO.: 777-00140

AQCR:

CLASS: SM

SIC:

2951

ZONE:

State of Idaho
Department of Environmental Quality

UTM COORDINATE (km):

4	Ö		Ď	М	Ť	т	=	
1	۳		к	м	П			

Bannock Paving Co., Inc.

2. PROJECT

Tier II Permit and Permit to Construct

3. MAILING ADDRESS	CITY	STATE	ZIP
P. O. Box 4002	Pocatello		83205
4. FACILITY CONTACT	TITLE	TELEPHONE	
David P. Edel	Materials Manager	208-232-5796	<u> </u>
5. RESPONSIBLE OFFICIAL	TITLE	TELEPHONE	
David P. Edel	Materials Manager	208-232-5796	
6. EXACT PLANT LOCATION		COUNTY	
Portable		Bonner	

7. GENERAL NATURE OF BUSINESS & KINDS OF PRODUCTS

Hot-mix Asphalt

8. PERMIT AUTHORITY

This permit is issued according to the *Rules for the Control of Air Pollution in Idaho*, IDAPA 58.01.01.200 et seq. and IDAPA 58.01.01.400 et seq. This permit pertains only to emissions of air contaminants regulated by the state of Idaho and to the sources specifically allowed to be operated by this permit.

This permit is not transferable to another person, place, or piece or set of equipment. This permit will expire if construction has not yet begun within two years of its issue date or if construction is suspended for one year.

This permit has been granted on the basis of design information presented in the application and the Idaho Department of Environmental Quality's technical analysis of the supplied information. Changes in design or equipment that result in any change in the nature or amount of emissions may be considered a modification. Modifications are subject to Department review in accordance with IDAPA 58.01.01.200.

KATHERINE B. KELLY, ADMINISTRATOR, AIR QUALITY DIVISION

DEPARTMENT OF ENVIRONMENTAL QUALITY

DATE ISSUED:

September 18, 2002

TABLE OF CONTENTS

ACR	ONYMS, UNITS, AND CHEMICAL NOMENCLATURE	3
1.	PERMIT SCOPE	4
	FACILITY-WIDE CONDITIONS	
3.	HOT- MIX ASPHALT DRYER	8
5.	FACILITY EMISSION RATE LIMITS SUMMARY	12
6.	FACILITY EMISSION INVENTORY	13
7.	GENERAL PROVISIONS	14

ACRONYMS, UNITS, AND CHEMICAL NOMENCLATURE

AQCR Air Quality Control Region

ASTM American Society of Testing and Materials

CO carbon monoxide

CFR Code of Federal Regulations

gr/dscf grains per dry standard cubic feet

EPA Environmental Protection Agency

IDAPA A numbering designation for all administrative rules in Idaho promulgated in

accordance with the Idaho Administrative Procedures Act

km kilometer

lb/hr pounds per hour

mg/kg milligrams per kilogram

NO_x nitrogen oxides

NSPS New Source Performance Standards

O&M Operation and Maintenance

PM particulate matter

PM₁₀ particulate matter with an aerodynamic diameter less than or equal to a nominal 10

ppm parts per million

SIC Standard Industrial Classification

SO₂ sulfur dioxide
SO_x sulfur oxides
T/day tons per day
T/hr tons per hour

T/yr tons per year

UTM Universal Transverse Mercator

VOC volatile organic compound

Permittee: Bannock Paving Co., Inc.

Location: Pocatello, Idaho

Date Issued:

September 18, 2002

1. PERMIT SCOPE

Purpose

1.1 The purpose of this Tier II Operating Permit and Permit to Construct is to modify the facility's existing Tier II permit, limit facility emissions to below major facility classification and to protect ambient air quality standards.

- 1.2 This permit incorporates and replaces the following permit:
 - Tier II Operating Permit No. 777-00140, issued September 11, 1998.

Regulated Sources

1.3 Table 1.1 below lists all sources of emissions that are regulated in this permit:

Table 1.1 REGULATED EMISSIONS SOURCES

Permit Section	Source Description	Emissions Controls
3	Hot-Mix asphalt plant dryer, Cedarapids drum mix, 450-T/hr capacity	Standard Havens baghouse, Model: Alpha Mark III

Unregulated Sources

1.4 Table 1.2 below lists sources of emissions that do not require specific permit limits.

Table 1.2 UNREGULATED EMISSIONS SOURCES

	Source Description
Fuel oil ta	anks
Fugitive 6	emission sources (e.g., roads, piles, material transfers)

Permittee: Bannock Paving Co., Inc.

Location: Pocatello, Idaho

Date Issued:

September 18, 2002

2. FACILITY-WIDE CONDITIONS

Fugitive Emissions

2.1 Reasonable Control of Fugitive Emissions

All reasonable precautions shall be taken to prevent PM from becoming airborne as required in IDAPA 58.01.01.651. In determining what is reasonable, considerations will be given to factors such as the proximity of dust-emitting operations to human habitations and/or activities and atmospheric conditions that might affect the movement of PM. Some of the reasonable precautions include, but are not limited to, the following:

- Use, where practical, of water or chemicals for control of dust in the demolition of existing buildings or structures, construction operations, the grading of roads, or the clearing of lands.
- Application, where practical, of asphalt, oil, water or suitable chemicals to, or covering of, dirt roads, material stockpiles, and other surfaces which can create dust.
- Installation and use, where practical, of hoods, fans, and fabric filters or equivalent systems to
 enclose and vent the handling of dusty materials. Adequate containment methods should be
 employed during sandblasting or other operations.
- Covering, where practical, of open-bodied trucks transporting materials likely to give rise to airborne dusts.
- Paying or roadways and their maintenance in a clean condition, where practical.
- Prompt removal of earth or other stored material from streets, where practical.

[IDAPA 58.01.01.651, 5/1/94]

Visible Emissions

2.2 Reasonable Control Measures

The permittee shall monitor and record the periodic method(s) used to reasonably control emissions from this facility during operation. The record shall include the type of control used (e.g., water, environmentally safe chemical dust suppressants, etc.), as well as the circumstances under which no controls are used.

[IDAPA 58.01.01.651, 5/1/94]

2.3 No person shall discharge any air pollutant to the atmosphere from any point of emission for a period or periods aggregating more than three minutes in any 60-minute period which is greater than 20% opacity as determined by procedures contained in IDAPA 58.01.01.625. These provisions shall not apply when the presence of uncombined water, NO_x, and/or chlorine gas is the only reason(s) for the failure of the emissions to comply with the requirements of this section.

[IDAPA 58.01.01.625, 5/1/94]

Permittee: Bannock Paving Co., Inc.

Date Issued:

September 18, 2002

Location: Pocatello, Idaho

Unless specified elsewhere in this permit, the permittee shall conduct a quarterly facility-wide inspection of potential sources of visible emissions during daylight hours and under normal operating conditions. The inspection shall consist of a see/no see evaluation for each potential source. If any visible emissions are present from an point of emission, the permittee shall either take appropriate corrective action as expeditiously as practicable or perform a Method 9 opacity test in accordance with the procedures outlined in IDAPA 58.01.01.625. A minimum of 30 observations shall be recorded when conducting the opacity test. If opacity is greater than 20% for a period or periods aggregating more than three minutes in any 60-minute period, the permittee shall take all necessary corrective actions and report the exceedance in its annual compliance certification and in accordance with IDAPA 58.01.01.130-136. The permittee shall maintain records of the results of each quarterly visible emission inspection and each opacity test when conducted. The records shall include, at a minimum, the date and results of each inspection and test, and a description of the following: The permittee's assessment of the conditions existing at the time visible emissions are present (if observed), any corrective action taken in response to the visible emissions, and the date corrective action was taken.

[IDAPA 58.01.01.405.01, 5/1/94]

Excess Emissions

2.5 The permittee shall comply with the procedures and requirements of IDAPA 58.01.01.130-136 for excess emissions due to startup, shutdown, scheduled maintenance, safety measures, upsets, and breakdowns.

Monitoring and Recordkeeping

2.6 The permittee shall maintain sufficient recordkeeping to assure compliance with all of the terms and conditions of this operating permit. Records of monitoring information shall include, but not be limited to the following: (a) the date, place, and times of sampling or measurements; (b) the date analyses were performed; (c) the company or entity that performed the analyses; (d) the analytical techniques or methods used; (e) the results of such analyses; and (f) the operating conditions existing at the time of sampling or measurement. All monitoring records and support information shall be retained for a period of at least five years from the date of the monitoring sample, measurement, report, or application. Supporting information includes, but is not limited to, all calibration and maintenance records, all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. All records required to be maintained by this permit shall be made available in either hard copy or electronic format to Department representatives upon request.

[IDAPA 58.01.01.405.01, 5/1/94]

Reports and Certifications

2.7 Relocation

All existing portable equipment shall be registered. At least 10 days prior to relocation of any equipment covered by this permit, the permittee shall submit a scaled plot plan and, in accordance with IDAPA 58.01.01.500, a complete Portable Equipment Registration and Relocation Form (available from the Department website at http://www2.state.id.us/deq/air/) to the following:

PERF Processing Unit Idaho Department of Environmental Quality 1410 N. Hilton Boise, ID 83706-1255

[IDAPA 58.01.01.500, 5/1/94]

Permittee: Bannock Paving Co., Inc.

Location: Pocatello, Idaho

Date Issued:

September 18, 2002

Sulfur Content

- 2.8 No person shall sell, distribute, use, or make available for use any fuel oil containing more than the following percentages of sulfur:
 - ASTM Grade 1 fuel oil 0.3% by weight.
 - ASTM Grade 2 fuel oil 0.5% by weight.
 - Residual fuel oil (ASTM Grade 4, 5, and 6) 1.75% by weight.

[IDAPA 58.01.01.727, 728, 5/1/94]

2.9 The permittee shall maintain documentation of supplier verification of fuel oil sulfur content on an asreceived basis.

[IDAPA 58.01.01.405.01, 5/1/94]

Air Stagnation Advisory Days

2.10 The permittee shall comply with the Air Pollution Emergency Rules in IDAPA 58.01.01.550 through 562. [IDAPA 58.01.01.550, 5/1/94]

Permittee: Banno

Bannock Paving Co., Inc.

Date Issued:

September 18, 2002

Location:

Pocatello, Idaho

3. HOT- MIX ASPHALT DRYER

The permittee shall comply with the following sourcewide conditions when the hot-mix asphalt facility is operated anywhere (nonattainment, attainment, or unclassifiable areas) within the state of Idaho.

3.1 Process Description

This is a hot-mix asphalt plant for asphalt production and soil remediation.

3.2 Control Description

The dryer is controlled by a baghouse. Fugitive emissions are controlled by best management practices.

Emissions Limits

3.3 Asphalt Dryer Emission Limits

The PM emissions from the hot-mix asphalt dryer stack shall not exceed 0.04 gr/dscf, nor shall PM₁₀, CO, VOC, NO_X, and SO₂ emissions from the hot-mix asphalt dryer stack exceed any corresponding emission rate limit listed in Permit Condition 5.

[IDAPA 58.01.01.403, 5/1/94; 40 CFR 60.92]

3.4 Other Particulate Matter Emission Limits

Gases from systems for screening, handling, storing, and weighing hot aggregate that emanate from a stack, vent, or other functionally equivalent opening shall not contain PM emissions in excess of 0.04 gr/dscf.

[40 CFR 60.92]

Operating Requirements

3.5 Facility Production Limits

The production rate of the hot-mix asphalt plant shall not exceed a maximum of 936,000 tons per consecutive 12-month period, whether located alone or in combination with the rock crushing plant.

[IDAPA 58.01.01.403, 5/1/94]

3.6 Non-Attainment Area Production Limits

- The production rate of the hot-mix asphalt plant shall not exceed a maximum of 3,195 tons per consecutive 24-hour period (T/day) when co-located with the rock crushing plant in any PM₁₀ nonattainment area, or proposed PM₁₀ non-attainment area.
- The production rate of the hot-mix asphalt plant shall not exceed a maximum of 6,194 tons per consecutive 24-hour period (T/day), when located alone, in any PM₁₀ non-attainment area, or proposed PM₁₀ non-attainment area.

[IDAPA 58.01.01.403, 5/1/94]

Permittee: Bannock Paving Co., Inc.

Location: Pocatello, Idaho

Date Issued:

September 18, 2002

3.7 Dryer Burner Fuel Limits

The burner fuel shall be either residual fuel (ASTM Grade 4, 5, or 6), distillate fuel (ASTM Grade 1 or 2), or used oil only.

[IDAPA 58.01.01.403, 5/1/94]

3.8 Monitoring Equipment

The permittee shall install, calibrate, maintain, and operate, in accordance with manufacturer specifications, equipment to continuously measure the pressure differential across the baghouse.

[IDAPA 58.01.01.403, 5/1/94]

3.9 Operations and Maintenance Manual Requirements

Within 60 days of the issuance of this permit, the permittee shall have developed an O&M manual for the air pollution control device which describes the procedures that will be followed to comply with General Provision 2 and the baghouse requirements contained in this permit. The manual shall remain onsite at all times and shall be made available to the Department representatives upon request.

[IDAPA 58.01.01.403, 5/1/94]

3.10 Pressure Drop Across Air Pollution Control Device

The pressure drop across the baghouse shall be maintained within manufacturer and O&M manual specifications. Documentation of both the manufacturer and O&M manual operating pressure drop specifications shall remain onsite at all times and shall be made available to Department representatives upon request.

[IDAPA 58.01.01.403, 5/1/94]

3.11 Used Oil Specifications

The concentrations/parameters of contaminants in any used-oil fuel shall not exceed the following levels, as defined in 40 CFR 279.11:

Arsenic

5 ppm by weight

Cadmium Chromium 2 ppm by weight 10 ppm by weight

Lead

100 ppm by weight

Total halogens

1,000 ppm by weight

[40 CFR 279.11]

3.12 Used Oil Sulfur Content

The sulfur content of the used oil shall not exceed 0.66% by weight.

[IDAPA 58.01.01.211.01, 5/1/94]

Permittee: Bannock Paving Co., Inc.

Location: Pocatello, Idaho

Date Issued:

September 18, 2002

Monitoring and Recordkeeping Requirements

3.13 Operating Parameters

The following parameters shall be monitored and recorded:

- · Pressure drop across the baghouse on a daily basis.
- Hot-mix asphalt production in tons per day and tons per month.

[IDAPA 58.01.01.403, 5/1/94]

3.14 Analysis of Used Oil Fuel

The permittee shall demonstrate compliance with Permit Conditions 3.11 and 3.12 by performing analyses or obtaining copies of analyses or other information for each used oil delivery documenting that the used oil fuel meets the specifications.

[IDAPA 58.0101.211.01, 5/1/94]

Permittee: Bannock Paving Co., Inc.

Location: Pocatello, Idaho

Date Issued: September 18, 2002

4. PERMIT REQUIREMENTS FOR REMEDIATING PETROLEUM-CONTAMINATED SOILS AND AGGREGATES

The permittee shall comply with Permit Conditions 3.1 through 3.20 and the following permit requirements whenever the hot-mix asphalt facility remediates petroleum-contaminated soils and aggregates for subsequent hot-mix asphalt production.

Operating Requirements

4.1 Petroleum-Contaminated Soil and Aggregate Throughput Limit

The maximum amount of petroleum-contaminated soil and aggregate to be remediated by the hot-mix asphalt facility shall not exceed 87,000 tons per any consecutive 12-month period. All remediated materials shall be used in conjunction with the production of asphalt.

[IDAPA 58.01.01.211.01, 5/1/94]

4.2 Gasoline Concentration

The gasoline concentration in any petroleum-contaminated soil and aggregate to be remediated shall not exceed 5,000 mg/kg.

[IDAPA 58.01.01.211.01, 5/1/94]

4.3 Waste Oil and Used Oil

The permittee shall not remediate any soil or aggregate contaminated with waste oil or used oil.

[IDAPA 58.01.01.211.01, 5/1/94]

Monitoring and Recordkeeping Requirements

The permittee shall monitor and record the amount of petroleum-contaminated soil and aggregate remediated by this hot-mix asphalt facility on a monthly and annual basis to demonstrate compliance with Permit Condition 4.1. The throughput shall be recorded as tons per month and tons per any consecutive 12-month period (T/yr).

[IDAPA 58.01.01.211.01, 5/1/94]

4.5 Gasoline Concentration Monitoring

All petroleum-contaminated soil and aggregate to be remediated by this hot-mix asphalt facility shall be analyzed by an independent laboratory to demonstrate compliance with Permit Condition 4.2.

[IDAPA 58.01.01.211.01, 5/1/94]

Permittee: Bannock Paving Co., Inc.

Date Issued:

September 18, 2002

Location: Pocatello, Idaho

5. FACILITY EMISSION RATE LIMITS SUMMARY

Table 5.1 provides the emission rate limits for the sources in this permit.

Table 5.1 EMISSION RATE LIMITS

Emissions Limits* – Hourly (lb/hr) and Annual (T/yr)*								
Source	PM ₁₀ ^c		co		NO _x		\$O₂	
Description	lb/hr	Т/уг	lb/hr	T/yr	lb/hr	T/yr	lb/hr	Т/уг
Asphalt Dryer	6.7	6.9	16.2	16.9	33.7	35.1	88.2	91.8

Compliance determined by a pollutant-specific U.S. EPA reference method, Department-approved alternative, or as determined by the Department's emissions estimation methods used in this permit analysis.

b Compliance with annual limits determined by multiplying the actual or allowable (if actual is not available) pound-per-hour emission rate by the allowable hours per year that the process(es) may operate(s), or by actual annual production rates.

^c PM₁₀ limits include condensables,

Permittee: Bannock Paving Co., Inc.

Location: Pocatello, Idaho

Date Issued:

September 18, 2002

6. FACILITY EMISSION INVENTORY

Table 6.1 provides a summary of the emission inventory for criteria air pollutants based on the potential to emit when collocated with the portable rock crushing plant, Operating Permit No. 777-00141. Any limitations imposed by this permit are included in calculating potential to emit. This table is for informational purposes only.

Table 6.1 FACILITY EMISSIONS INVENTORY

Source	PM ₁₀ °	SO ₂ .	CO	NO ₄ #	yos
	T/yr	T/yr	T/yr	Tiye	Tlyr
Asphalt dryer	6.9	91.8	16.9	35.1	NA
Rock crushers	46.0				
Generator	8.0	7.2	11.6	44.4	NA
Total	53.7	99.0	18.5	79.5	

As determined by a pollutant-specific EPA reference method, a Department-approved alternative, or as determined by the Department's emissions estimation methods used in this permit analysis.

As determined by multiplying the actual or allowable (if actual is not available) pound-per-hour emission rate by the allowable hours per year that the process(es) may operate(s), or by actual annual production rates.

c Includes condensibles.

Permittee: Bannock Paving Co., Inc.

Location: Pocatello, Idaho

Date Issued: September 18, 2002

7. GENERAL PROVISIONS

1. All emissions authorized herein shall be consistent with the terms and conditions of this permit. The emission of any pollutant in excess of the limitations specified herein, or noncompliance with any other condition or limitation contained in this permit, shall constitute a violation of this permit and the Rules for the Control of Air Pollution in Idaho, and the Environmental Protection and Health Act, Idaho Code §39-101 et seq.

- 2. The permittee shall at all times (except as provided in the Rules for the Control of Air Pollution in Idaho) maintain and operate in good working order all treatment or control facilities or systems installed or used to achieve compliance with the terms and conditions of this permit and other applicable laws for the control of air pollution.
- 3. The permittee shall allow the Director, and/or his authorized representative(s), the following upon the presentation of credentials:
 - To enter upon the permittee's premises where an emissions source is located, or in which any
 records are required to be kept under the terms and conditions of this permit.
 - At reasonable times to have access to and copy any records required to be kept under the terms
 and conditions of this permit, to inspect any monitoring methods required in this permit, and to
 require stack emissions testing (i.e., performance tests) in conformance with state-approved or
 accepted EPA procedures when deemed appropriate by the Director.
- 4. Except for data determined to be confidential under Section 9-342A, *Idaho Code*, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the appropriate regional office of the Department of Environmental Quality.
- 5. Nothing in this permit is intended to relieve or exempt the permittee from compliance with any applicable federal, state, or local law or regulation, except as specifically provided herein.
- 6. In the event of any change in control or ownership of source(s) from which the authorized emissions emanate, the permittee shall notify the succeeding owner or controller of the existence of this permit by letter, a copy of which shall be forwarded to the Director.
- 7. This permit shall be renewable on the expiration date, provided the permittee submits any and all information necessary for the Director to determine the amount and type of air pollutants emitted from the equipment for which this permit is granted. Failure to submit such information within 60 days after receipt of the Director's request shall cause the permit to become void.
- 8. The Director may require the permittee to develop a list of operation and maintenance procedures to be approved by the Department. Such list of procedures shall become a part of this permit by reference, and the permittee shall adhere to all of the operation and maintenance procedures contained therein.
- The provisions of this permit are severable, and if any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit shall not be affected thereby.